7.3   RUN DERIVED ITEMS

Introduction

Once the derived item formulas for your survey have been defined (Section 7.1) and the production code generated (section 7.2), you are ready to run the derived item program to generate values for the derived items. There are 2 ways to run derived items:

1. Single ID
2. Batch

You can run the derived item program for a single ID using the ID by Item or the ID Matrix screens in the Review and Correction module. Go to the EDIT p-men, then select the option that allows you to run "derived items" for the ID currently displayed on the screen. This procedure discussed in detail in chapter 4.2 and will not be explained in this chapter.

Section 7.3 explains how to run the derived item program in batch. The batch option computes the derived items for the entire survey. It is run using a script and can be scheduled to run at a specific time.

The values calculated for the derived items are stored in the edited field of the item file, DATA00.IT*yyyypp*.

NOTE: Only users with RUNPRIV = "P" can run the derived item program at the batch-level.

Accessing the Screen

● Click on the RUN PROCESSES button from the StEPS Main Menu.

● Click on the DERIVED button from the Run Processes Menu to display the screen shown as Figure 7.3.1:

  NOTE: You may also access this screen by clicking on the GOTO p-menu from the Derived Item Definition menu and selecting the "Run Derived Items" option.
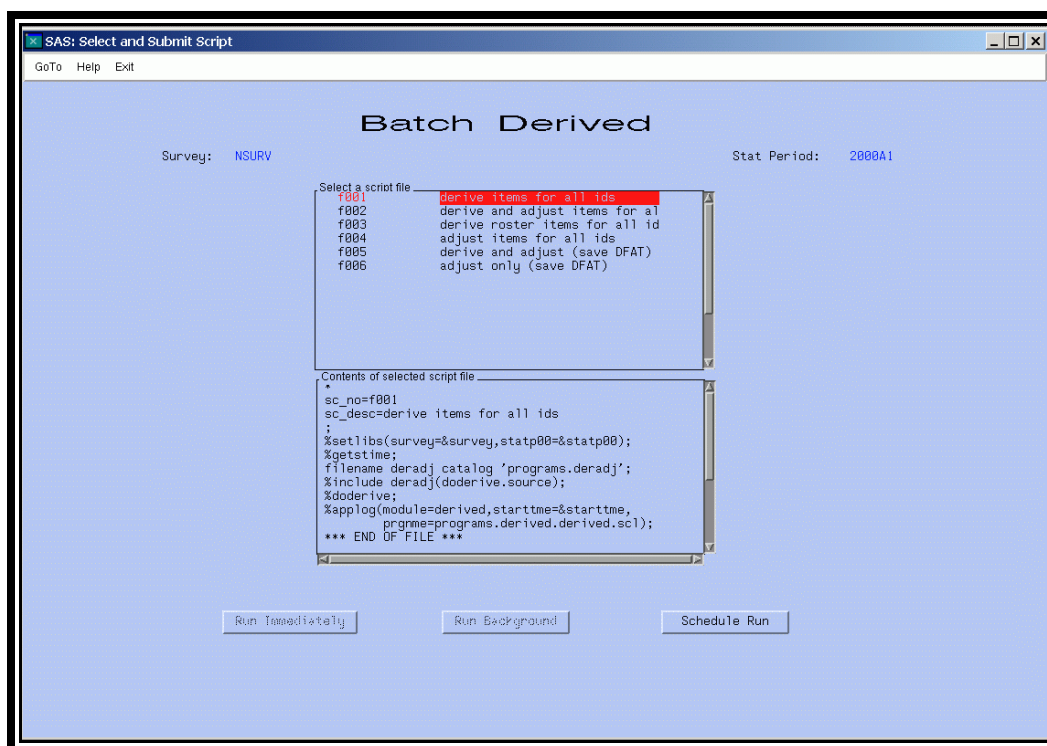
Figure 7.3.1   Run Derived Program in Batch

Screen Features

- Box 1 displays a list of available script files. Click on the script you wish to run.

    NOTE: StEPS provides 6 standard script files: derive, adjust, and derive and adjust
               (combined), derive roster items, derive only and save to the derived fat record
               (DFAT), and adjust only and save to the DFAT record. These script files are
               stored in PARMLIB.dgsfxxx.sas, where "xxx" indicates a unique script number.
               The derived program will NOT run without a script file.

- The contents of the script file (selected in Box 1) will display in Box 2.

- You will note that the buttons for "Run Immediately" and "Run in Background" are greyed
  out and are not active. This is because running a derived item program during the day could
  impact users currently processing data for that survey. You must schedule your program to
  run in the evening.

- When you select "Schedule Run," you will be prompted to enter the date and time that you
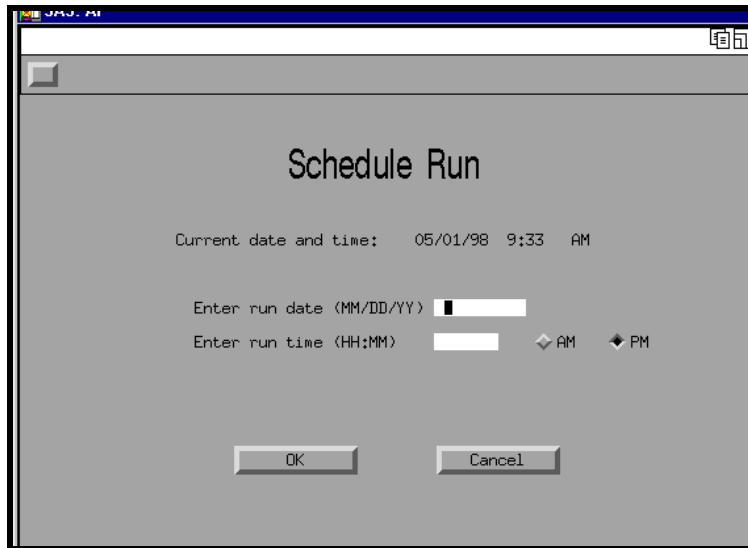 want the derived item program to run (Figure 7.3.2).

Figure 7.3.2   Schedule Run Screen

- Enter the run date in MM/DD/YY format, where 'MM' = month, 'DD' = day, and 'YY' = year. You may not enter a date that has already passed.

- Enter the run time in HH:MM format, where 'HH' = hour and "MM" = minute. Also indicate "AM" or "PM".

- Click on "OK" to schedule the run. A confirmation message will display, verifying the date and time specified for execution of the derived item program.

    NOTE: For help with scheduling an evening run, contact your survey programmer.

Once the derived item program has run:

1. *Edited* values for the derived items are updated in the item data file (DATA00.IT*yyyypp*)

2. The data flag (for any item value updated as a result of the derived item program) is set to "D," unless a data flag other than 'D' was specified in the derived definition.

3. A record will be inserted into the survey's production log file to indicate that the batch run has been completed. The log will indicate the start time of the derived item run, the end time, and the elapsed time. The module name will be "DERIVED".

    NOTE: Access the production log screen via the MIS button from the StEPS Main Menu.

4. If you would like to receive an e-mail notification when the derived item program has completed, set this up using the "cc:Mail data set screen". To do this:

    a. Click on the SURVEY SPECIFICATIONS button from the StEPS Main Menu.

b. Click on the OTHER SPECIFICATIONS button from the Survey Specifications menu.

c. Select the "View/Update cc:Mail Dataset" option.

d. Follow the instructions provided on the screen to add or update information in this file. (See chapter 2.6, "View/Update cc:Mail Data Set" for detailed instructions on using this screen.)

P-Menus

P-menu	Options	Function
GOTO	<For future use - currently no options available>	
HELP	Derived Item Batch Help (F1) WhoamI (F7)	Display help information on running the derived item program. Display user default and systems information
EXIT	StEPS Main Menu (Home) Exit (F3)	Return to StEPS Main Menu. Exit to previous screen.